

Appln. No. 20/539,558  
Amendment dated March 15th 2010

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**Amendments to the claims:**

The listings of the claims will replace all prior versions and listings of claims in the application.

**Listing of claims:**

1-99. (canceled)

100. (Withdrawn) A method of treating a disease in a subject in need thereof, the method comprising providing to the subject a therapeutically effective amount of a compound being capable of decreasing an activity and/or level of an antimicrobial peptide (AMP) and/or AMP-like molecule, thereby treating the disease in the subject in need thereof.

101. (Withdrawn) The method of claim 100, wherein said compound is selected from the group consisting of:

- (a) a molecule capable of binding said AMP and/or AMP-like molecule;
- (b) an enzyme capable of cleaving said AMP and/or AMP-like molecule;
- (c) an siRNA molecule capable of inducing degradation of an mRNA encoding said AMP and/or AMP-like molecule;
- (d) a DNAzyme capable of cleaving an mRNA or DNA encoding said AMP and/or AMP-like molecule;
- (e) an antisense polynucleotide capable of hybridizing with an mRNA encoding said AMP and/or AMP-like molecule;
- (f) a ribozyme capable of cleaving an mRNA encoding said AMP and/or AMP-like molecule;
- (g) a non-functional analogue of at least a functional portion of said AMP and/or AMP-like molecule;
- (h) a molecule capable of inhibiting activation or ligand binding of said AMP and/or AMP-like molecule; and
- (i) a triplex-forming oligonucleotide capable of hybridizing with a DNA encoding said AMP and/or AMP-like molecule.

102. (Withdrawn) The method of claim 101, wherein said molecule capable of binding said AMP and/or AMP-like molecule is an antibody or an antibody fragment.

103. (Withdrawn) The method of claim 100, wherein said AMP and/or AMP-like molecule is a beta-defensin.

104. (Withdrawn) The method of claim 100, wherein said AMP and/or AMP-like molecule is selected from the group consisting of beta-defensin-1 beta-defensin-2 and IL-37.

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105. (Withdrawn) The method of claim 100, wherein the disease is selected from the group consisting of a tumor, an autoimmune disease, an epithelial disease, a skin disease, a gastrointestinal disease, and an endothelial disease.

106. (Withdrawn) An article of manufacture comprising packaging material and a pharmaceutical composition, the article of manufacture being identified for treatment of a disease being associated with a biological process in a cell and/or tissue, the biological process being selected from the group consisting of growth, differentiation, inflammation, metastasis and angiogenesis; the pharmaceutical composition comprising a pharmaceutically acceptable carrier and, as an active ingredient, a compound being capable of decreasing an activity and/or level of an antimicrobial peptide (AMP) and/or AMP-like molecule.

107. (Withdrawn) The article of manufacture of claim 106, wherein said compound is selected from the group consisting of:

- (a) a molecule capable of binding said AMP and/or AMP-like molecule;
- (b) an enzyme capable of cleaving said AMP and/or AMP-like molecule;
- (c) an siRNA molecule capable of inducing degradation of an mRNA encoding said AMP and/or AMP-like molecule;
- (d) a DNase capable of cleaving an mRNA or DNA encoding said AMP and/or AMP-like molecule;
- (e) an antisense polynucleotide capable of hybridizing with an mRNA encoding said AMP and/or AMP-like molecule;
- (f) a ribozyme capable of cleaving an mRNA encoding said AMP and/or AMP-like molecule;
- (g) a non-functional analogue of at least a functional portion of said AMP and/or AMP-like molecule; and
- (h) a molecule capable of inhibiting activation or ligand binding of said AMP and/or AMP-like molecule; and
- (i) a triplex-forming oligonucleotide capable of hybridizing with a DNA encoding said AMP and/or AMP-like molecule.

108. (Withdrawn) The article of manufacture of claim 107, wherein said molecule capable of binding said AMP is an antibody or an antibody fragment.

Claims 109-112 (Cancelled).

113. (Currently Amended) A method of treating a gastrointestinal or an endothelial disease in a subject in need thereof, the method comprising providing to the subject a therapeutically effective amount of an antimicrobial peptide (AMP) of type defensin or Cathelicidin and/or a defensin or Cathelicidin AMP-like molecule, thereby treating the diseases in the subject in need thereof.

114. (Currently Amended) The method of claim 113, wherein said providing to the subject said AMP and/or AMP-like molecule is effected by administering said AMP and/or AMP-like molecule to the subject ~~and/or by expressing said AMP and AMP-like molecule in the subject.~~

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115. (Withdrawn) The method of claim 113, wherein said AMP and/or AMP-like molecule is a beta-defensin.

116. (Previously Presented) The method of claim 113, wherein said AMP and/or AMP-like molecule is selected from the group consisting of beta-defensin-1, beta-defensin-2 and LL-37.

117. (Currently Amended) The method of claim 113, wherein the disease is ~~selected from the group consisting of a tumor, an epithelial disease, a skin disease, a gastrointestinal disease, an inflammatory disease and an endothelial disease.~~

118. (Currently Amended) An article of manufacture comprising packaging material and a pharmaceutical composition, the article of manufacture being identified for treatment of a disease being associated with a biological process in a cell and /or tissue, said biological process being selected from the group consisting of growth, differentiation, inflammation and angiogenesis; the pharmaceutical composition comprising a pharmaceutically acceptable carrier and, as an active ingredient, an antimicrobial peptide (AMP) of type defensin or Cathelicidin and/or a defensin or Cathelicidin AMP-like molecule.

119. (Withdrawn) The article of manufacture of claim 118, wherein said AMP and/or AMP-like molecule is a beta-defensin.

120. (Previously Presented) The article of manufacture of claim 118, wherein said AMP and/or AMP-like molecule is selected from the group consisting of beta-defensin-1 beta-defensin-2 and LL-37.

121. (Previously Presented) The article of manufacture of claim 118, wherein said disease is selected from the group consisting of a tumor, an epithelial disease, a skin disease, a gastrointestinal disease and an endothelial disease.

122. (Currently Amended) The method of claim 113, wherein the disease is ~~an inflammatory disease~~ psoriasis.

123. (Withdrawn) The method of claim 122, wherein said inflammatory disease is arthritis.

124. (Withdrawn) The method of claim 113, wherein said antimicrobial peptide (AMP) and/or AMP-like molecule is a cathelicidin.

125. (Withdrawn) The method of claim 124, wherein said cathelicidin is LL-37 or FALL-39.

126. (New) The article of manufacture of claim 118, wherein the disease is psoriasis.